

Oligo Calculator Instructions

Overview

The Oligo calculator allows you to enter the nucleotide sequence of a primer and calculate the following physical characteristics of the oligo; annealing temperature (T_m), molecular weight (MW), extinction coefficient (EC), and percent GC content (%GC). If you also enter the number of ODs, these additional calculations will be done for you; number of nanomoles (nmoles), number of micrograms (μg), and how much water/buffer to add to the tube to make a 1mM stock.

There is no printer function. If you want a hard copy, you can do a screen capture and print the image file.

This version will only run on PCs. We hope to have a web based version soon.

Instructions

Enter your oligo sequence using g, a, t, c and spaces only (upper or lower case is OK). If you mistype, you will get a "Bad Character" error. You can copy and paste your sequence from a Word, text or Excel document to reduce typing.

Check your sequence for accuracy.

Enter ODs if desired.

Click on the "Calculate" button

Screen capture or record your output

Click on the "Clear" button

Enter next sequence

When finished, click "Exit"